

Strategies for efficient disruption of metabolism in
Mycobacterium tuberculosis from network analysis

Fig. S1

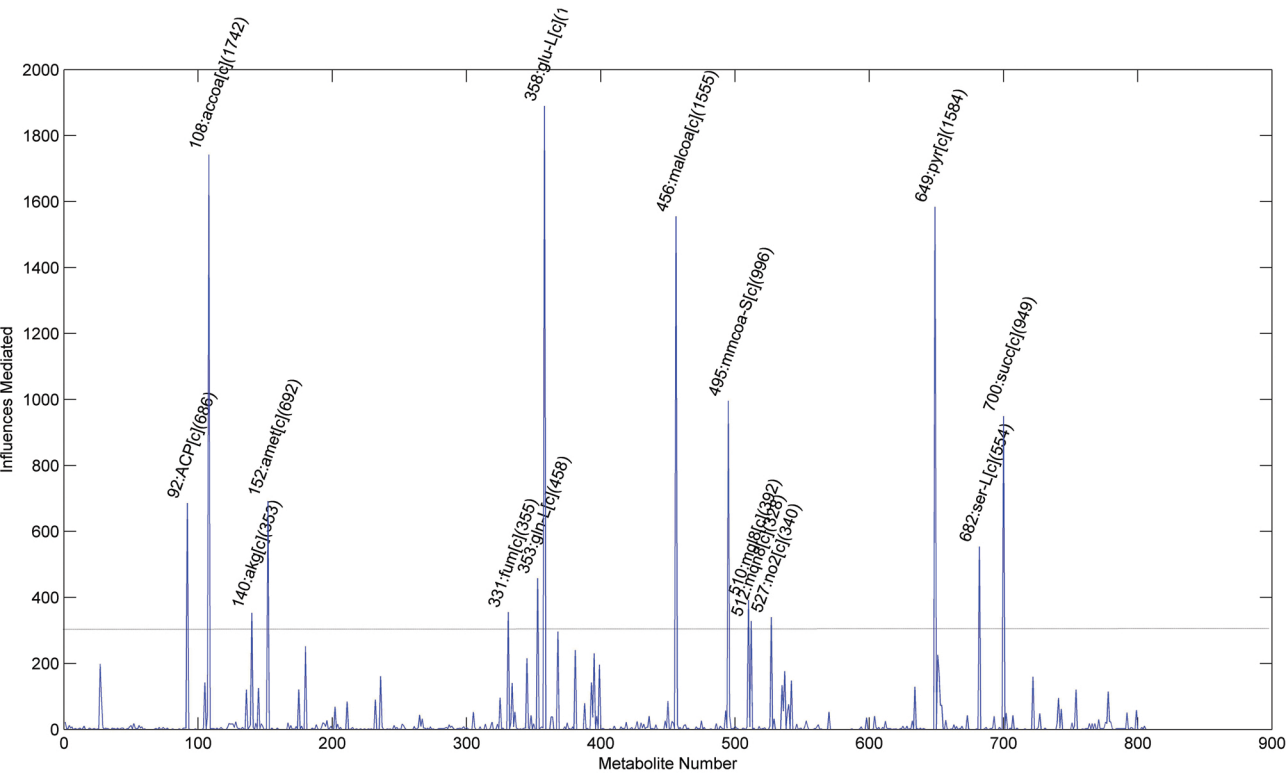


Table S1

Rv ID	Nearness score
Rv0337c	208.094
Rv3565	208.094
Rv1609	205.178
Rv2859c	205.178
Rv3436c	202.481
Rv2335	201.258
Rv3280	192.663
Rv0904c	191.997
Rv3281	191.997
Rv1595	191.475
Rv0211	191.080
Rv2215	190.116
Rv0858c	189.062
Rv1872c	188.774
Rv0884c	188.462
Rv2589	186.312
Rv3290c	186.312
Rv0247c	185.182
Rv0248c	185.182
Rv3316	185.182
Rv3317	185.182
Rv3318	185.182
Rv3319	185.182
Rv1699	184.923
Rv2210c	184.598
Rv1323	184.283
Rv1655	183.515
Rv2476c	183.015
Rv0417	182.025
Rv0753c	181.949
Rv3667	181.616
Rv0462	181.283
Rv0843	181.283
Rv3340	181.231
Rv2495c	180.283
Rv2447c	179.765
Rv2445c	179.628
Rv0013	179.598
Rv1005c	179.598
Rv3341	179.533
Rv3535c	178.533
Rv0408	178.449
Rv2241	178.449
Rv0468	178.283
Rv0859	178.283
Rv0860	178.283
Rv1347c	178.283
Rv1605	176.754
Rv0694	175.996
Rv1240	175.247
Rv1704c	174.664
Rv0391	174.027
Rv1079	174.027
Rv1902c	173.413
Rv3396c	173.321

Rv2075c	173.107
Rv2498c	173.107
Rv1878	173.022
Rv2220	173.022
Rv2222c	173.022
Rv2860c	173.022
Rv2386c	172.971
Rv1653	172.738
Rv0848	172.392
Rv1336	172.392
Rv2334	172.392
Rv2443	172.232
Rv2848c	171.821
Rv0555	171.378
Rv1383	171.121
Rv2201	171.071
Rv1905c	170.954
Rv0255c	170.904
Rv3713	170.904
Rv0808	170.895
Rv1602	170.895
Rv3469c	170.888
Rv3534c	170.888
Rv0812	170.854
Rv1552	170.499
Rv1553	170.499
Rv1554	170.499
Rv1555	170.499
Rv0788	170.488
Rv0803	170.488
Rv1187	169.571
Rv1338	169.371
Rv2321c	169.071
Rv2322c	169.071
Rv2438c	169.071
Rv3858c	169.071
Rv3859c	169.071
Rv0505c	168.681
Rv3042c	168.681
Rv0266c	168.571
Rv2949c	168.304
Rv0069c	168.221
Rv2332	168.221
Rv2780	168.221
Rv1617	168.054
Rv2503c	167.452
Rv2504c	167.452
Rv0780	166.556
Rv0957	165.878
Rv1449c	165.184
Rv2467	165.098
Rv0066c	165.060
Rv3339c	165.060
Rv1600	164.810
Rv2231c	164.810
Rv3772	164.810

Rv1589	164.424
Rv2697c	164.200
Rv1098c	164.187
Rv3709c	164.090
Rv1538c	163.506
Rv3332	162.752
Rv2967c	162.366
Rv0777	162.203
Rv0946c	161.341
Rv1448c	159.617
Rv3273	159.038
Rv3588c	159.038
Rv0733	158.650
Rv0357c	158.535
Rv0478	158.327
Rv1659	158.196
Rv0951	158.025
Rv0952	158.025
Rv1350	157.185
Rv1484	157.185
Rv2524c	157.185
Rv2947c	157.185
Rv2124c	157.013
Rv3255c	156.703
Rv1161	155.056
Rv1162	155.056
Rv1163	155.056
Rv1164	155.056
Rv1529	154.363
Rv3826	154.363
Rv0382c	153.985
Rv3227	153.898
Rv3423c	153.883
Rv1017c	153.764
Rv2139	153.616
Rv1202	153.592
Rv0321	153.071
Rv0649	152.794
Rv2243	152.794
Rv0467	152.658
Rv1915	152.658
Rv1916	152.658
Rv1099c	152.609
Rv1023	152.315
Rv1185c	152.113
Rv2590	152.113
Rv0234c	151.992
Rv1731	151.992
Rv1127c	151.465
Rv0183	151.363
Rv1672c	151.192
Rv0389	151.156
Rv0956	151.156
Rv2540c	150.920
Rv1285	150.527
Rv1286	150.527

Rv2153c	150.408
Rv1620c	150.389
Rv1621c	150.389
Rv1622c	150.389
Rv1623c	150.389
Rv0618	150.359
Rv0619	150.359
Rv2964	150.156
Rv1618	149.599
Rv0558	149.580
Rv0032	149.552
Rv1569	149.552
Rv1475c	149.463
Rv0422c	149.296
Rv2225	149.206
Rv1837c	149.140
Rv1406	148.156
Rv3248c	147.694
Rv2763c	147.656
Rv0573c	147.325
Rv2610c	147.296
Rv2957	146.879
Rv0557	146.629
Rv2051c	146.629
Rv2202c	146.629
Rv1464	146.239
Rv1389	146.129
Rv1077	145.043
Rv0082	144.219
Rv3145	144.219
Rv3146	144.219
Rv3147	144.219
Rv3148	144.219
Rv3149	144.219
Rv3150	144.219
Rv3152	144.219
Rv3153	144.219
Rv3154	144.219
Rv3155	144.219
Rv3156	144.219
Rv3157	144.219
Rv3158	144.219
Rv1257c	144.035
Rv2981c	143.736
Rv2320c	143.662
Rv0533c	143.292
Rv1170	143.185
Rv3330	142.819
Rv2363	142.578
Rv0147	142.378
Rv0768	142.378
Rv3293	142.378
Rv2211c	142.193
Rv0409	142.078
Rv0070c	141.624
Rv1093	141.624

Rv1568	141.552
Rv0363c	140.640
Rv2849c	140.433
Rv1438	140.140
Rv0772	138.593
Rv3257c	137.385
Rv1248c	137.254
Rv0189c	136.647
Rv1612	136.466
Rv1613	136.466
Rv3441c	136.278
Rv1436	135.950
Rv3068c	135.681
Rv1492	135.355
Rv1493	135.355
Rv3356c	135.060
Rv3624c	135.029
Rv1201c	134.515
Rv0162c	134.378
Rv3048c	134.154
Rv3051c	134.154
Rv1294	134.069
Rv0728c	134.015
Rv2996c	134.015
Rv3432c	133.965
Rv1656	133.882
Rv3490	133.797
Rv3808c	133.747
Rv0794c	133.722
Rv3303c	133.722
Rv0889c	133.677
Rv0896	133.677
Rv1131	133.677
Rv1451	133.276
Rv2193	133.276
Rv2200c	133.276
Rv3043c	133.276
Rv0650	133.076
Rv2702	133.076
Rv0570	132.987
Rv1981c	132.987
Rv1392	132.958
Rv3307	132.596
Rv1712	132.197
Rv1391	132.114
Rv1559	132.033
Rv3708c	131.613
Rv2682c	131.545
Rv3379c	131.545
Rv1652	131.197
Rv2883c	131.197
Rv2793c	131.022
Rv3455c	131.022
Rv3265c	130.885
Rv1603	130.632
Rv2962c	130.385

Rv2958c	130.052
Rv2344c	130.031
Rv2496c	130.005
Rv2497c	130.005
Rv2436	129.937
Rv2465c	129.562
Rv1207	129.440
Rv3608c	129.440
Rv1570	128.956
Rv3247c	128.419
Rv0489	127.435
Rv2194	127.285
Rv2195	127.285
Rv2196	127.285
Rv1001	127.144
Rv0191	126.560
Rv1843c	126.406
Rv3410c	126.406
Rv3411c	126.406
Rv2977c	126.265
Rv0534c	126.225
Rv2523c	126.169
Rv1018c	126.111
Rv0564c	125.819
Rv2249c	125.819
Rv2982c	125.819
Rv3302c	125.819
Rv1188	125.548
Rv3215	125.491
Rv2065	125.254
Rv2984	125.212
Rv0511	125.086
Rv3275c	124.862
Rv3276c	124.862
Rv0098	124.700
Rv1483	124.700
Rv2245	124.700
Rv2246	124.700
Rv2421c	124.048
Rv1601	124.025
Rv0503c	123.824
Rv0644c	123.824
Rv2458	123.312
Rv0729	123.123
Rv3308	123.105
Rv0773c	122.985
Rv2394	122.985
Rv1408	122.623
Rv2754c	122.613
Rv2764c	122.613
Rv3393	122.472
Rv0346c	122.328
Rv2127	122.328
Rv2029c	122.041
Rv3010c	122.041
Rv2072c	121.890

Rv2182c	121.778
Rv2483c	121.778
Rv1437	120.652
Rv2208	120.384
Rv0824c	120.058
Rv1094	120.058
Rv1236	119.973
Rv1237	119.973
Rv1238	119.973
Rv3777	119.910
Rv0642c	119.528
Rv0645c	119.528
Rv0501	119.125
Rv0536	119.125
Rv3634c	119.125
Rv0470c	119.028
Rv1826	118.971
Rv1551	118.594
Rv1658	118.140
Rv2136c	118.037
Rv2392	117.811
Rv2539c	117.486
Rv2928	117.227
Rv3801c	117.227
Rv1737c	116.842
Rv1739c	116.777
Rv2397c	116.777
Rv2398c	116.777
Rv2399c	116.777
Rv2400c	116.777
Rv2612c	116.719
Rv0855	116.618
Rv0727c	116.346
Rv3792	116.324
Rv2156c	116.238
Rv3913	116.144
Rv2066	115.913
Rv3264c	115.862
Rv3229c	115.725
Rv0317c	115.589
Rv2832c	115.589
Rv2833c	115.589
Rv2834c	115.589
Rv2835c	115.589
Rv3696c	115.589
Rv3842c	115.589
Rv2847c	115.580
Rv2205c	115.575
Rv0620	114.667
Rv1381	114.565
Rv2071c	114.363
Rv0423c	113.912
Rv0809	113.797
Rv0137c	113.481
Rv2674	113.481
Rv1596	113.418

Rv1293	113.240
Rv2207	113.135
Rv1512	112.945
Rv2611c	112.812
Rv0805	112.645
Rv2583c	112.562
Rv2043c	112.452
Rv0486	111.364
Rv2289	110.077
Rv2236c	109.772
Rv1832	109.648
Rv1328	109.414
Rv0306	109.189
Rv0993	108.883
Rv3313c	107.821
Rv1295	107.371
Rv1611	107.263
Rv3001c	107.199
Rv3737	106.513
Rv2773c	106.477
Rv1302	106.335
Rv3266c	105.690
Rv2471	105.127
Rv3809c	104.952
Rv0091	104.944
Rv0436c	104.773
Rv1385	104.598
Rv3309c	104.581
Rv1654	104.325
Rv3314c	104.277
Rv2941	104.259
Rv3606c	104.240
Rv1092c	104.131
Rv3581c	104.023
Rv1822	103.973
Rv2746c	103.973
Rv1606	103.831
Rv2192c	103.756
Rv1133c	103.319
Rv0973c	103.297
Rv0974c	103.297
Rv2247	103.297
Rv2501c	103.297
Rv2502c	103.297
Rv3285	103.297
Rv1122	103.208
Rv1844c	103.208
Rv0414c	101.170
Rv3756c	100.882
Rv3757c	100.882
Rv3758c	100.882
Rv3759c	100.882
Rv0500	100.382
Rv0510	100.182
Rv2855	100.173
Rv2070c	98.749

Rv1755c	98.267
Rv2881c	98.231
Rv0548c	98.206
Rv3815c	98.166
Rv2552c	97.691
Rv3113	97.587
Rv0254c	97.420
Rv1200	97.191
Rv0046c	96.691
Rv2361c	95.746
Rv2163c	95.496
Rv1348	95.383
Rv1349	95.383
Rv2291	94.781
Rv3283	94.781
Rv2157c	94.660
Rv1604	94.614
Rv2701c	94.614
Rv3790	94.544
Rv3791	94.544
Rv2931	94.394
Rv2932	94.394
Rv2933	94.394
Rv2934	94.394
Rv2935	94.394
Rv2726c	94.169
Rv0295c	94.114
Rv1373	94.114
Rv2064	94.109
Rv3331	93.813
Rv1380	93.463
Rv0126	93.188
Rv1264	92.904
Rv1318c	92.904
Rv1319c	92.904
Rv1320c	92.904
Rv1625c	92.904
Rv1647	92.904
Rv0112	92.820
Rv1511	92.820
Rv2435c	92.654
Rv1594	92.569
Rv2062c	90.265
Rv1820	89.013
Rv3002c	89.013
Rv3003c	89.013
Rv3470c	89.013
Rv3509c	89.013
Rv2753c	88.701
Rv0499	88.263
Rv1662	88.018
Rv1663	88.018
Rv2601	87.572
Rv1296	87.536
Rv3465	87.535
Rv3607c	87.126

Rv1445c	86.977
Rv3602c	86.894
Rv2940c	86.851
Rv2122c	86.848
Rv1011	86.745
Rv1562c	85.816
Rv2006	85.616
Rv3372	85.616
Rv0512	84.455
Rv0819	84.175
Rv1745c	83.323
Rv0542c	82.177
Rv2537c	81.948
Rv2158c	80.462
Rv1239c	78.774
Rv3601c	75.776
Rv3464	75.245
Rv3468c	75.245
Rv3784	75.245
Rv2121c	74.934
Rv0522	74.919
Rv2573	74.919
Rv3582c	74.730
Rv1121	74.670
Rv1447c	74.670
Rv1563c	73.682
Rv0524	73.346
Rv2130c	72.907
Rv2538c	71.305
Rv0553	71.177
Rv2155c	70.216
Rv0958	68.933
Rv0334	67.908
Rv2870c	65.895
Rv0509	65.018
Rv1082	64.643
Rv2178c	63.244
Rv2152c	62.448
Rv2677c	61.682
Rv0482	57.229
Rv3818	56.329
Rv2388c	55.417
Rv1315	51.771
Rv2678c	50.551
Rv1908c	5.500
Rv0432	4.500
Rv1415	4.500
Rv1940	4.500
Rv3846	4.500
Rv0373c	4.000
Rv0374c	4.000
Rv0375c	4.000
Rv0886	4.000
Rv3106	4.000
Rv3236c	4.000
Rv2607	3.500

Rv1895	3.000
Rv2259	3.000
Rv2605c	3.000
Rv3045	3.000
Rv3609c	3.000
Rv0118c	2.500
Rv1029	2.500
Rv1030	2.500
Rv1031	2.500
Rv1412	2.500
Rv1416	2.500
Rv2287	2.500
Rv3710	2.500
Rv0545c	2.000
Rv1885c	2.000
Rv2281	2.000
Rv2987c	2.000
Rv2988c	2.000
Rv0107c	1.000
Rv1409	1.000
Rv1607	1.000
Rv2439c	1.000
Rv2786c	1.000
Rv2965c	1.000
Rv3310	1.000
Rv3398c	1.000
Rv0084	0.000
Rv0252	0.000
Rv0253	0.000
Rv0261c	0.000
Rv0267	0.000
Rv0322	0.000
Rv0437c	0.000
Rv0820	0.000
Rv0936	0.000
Rv1086	0.000
Rv1213	0.000
Rv1485	0.000
Rv1631	0.000
Rv1692	0.000
Rv2329c	0.000
Rv2378c	0.000
Rv2379c	0.000
Rv2380c	0.000
Rv2381c	0.000
Rv2382c	0.000
Rv2383c	0.000
Rv2384	0.000
Rv2391	0.000
Rv2427c	0.000
Rv2531c	0.000
Rv2584c	0.000
Rv2671	0.000
Rv2899c	0.000
Rv2900c	0.000
Rv2930	0.000

Rv2945c	0.000
Rv2992c	0.000
Rv2995c	0.000
Rv3279c	0.000
Rv3704c	0.000
Rv3754	0.000
Rv3793	0.000
Rv3794	0.000
Rv3795	0.000
Rv3800c	0.000
Rv3806c	0.000
Rv3838c	0.000

Table S2

	Threshold	Rank	Combination				Proteins_reached
singleton	1	1	Rv1653				56
pair	1	1	Rv1653	Rv0247c			101
triplet	1	1	Rv1653	Rv0247c	Rv2445c		130
quadruplet	1	1	Rv1653	Rv0247c	Rv2445c	Rv2682c	153
singleton	1	2	Rv3565				49
pair	1	2	Rv3565	Rv0247c			93
triplet	1	2	Rv3565	Rv0247c	Rv1350		124
quadruplet	1	2	Rv3565	Rv0247c	Rv1350	Rv2445c	152
singleton	1	3	Rv0337c				49
pair	1	3	Rv0337c	Rv0247c			93
triplet	1	3	Rv0337c	Rv0247c	Rv1350		124
quadruplet	1	3	Rv0337c	Rv0247c	Rv1350	Rv2445c	152
singleton	1	4	Rv3436c				45
pair	1	4	Rv3436c	Rv0247c			90
triplet	1	4	Rv3436c	Rv0247c	Rv1350		121
quadruplet	1	4	Rv3436c	Rv0247c	Rv1350	Rv2445c	150
singleton	2	1	Rv3565				180
pair	2	1	Rv3565	Rv2445c			245
triplet	2	1	Rv3565	Rv2445c	Rv0247c		296
quadruplet	2	1	Rv3565	Rv2445c	Rv0247c	Rv3815c	345
singleton	2	2	Rv0337c				180
pair	2	2	Rv0337c	Rv2445c			245
triplet	2	2	Rv0337c	Rv2445c	Rv0247c		296
quadruplet	2	2	Rv0337c	Rv2445c	Rv0247c	Rv3815c	345
singleton	2	3	Rv1653				169
pair	2	3	Rv1653	Rv2445c			247
triplet	2	3	Rv1653	Rv2445c	Rv0247c		309
quadruplet	2	3	Rv1653	Rv2445c	Rv0247c	Rv3815c	346
singleton	2	4	Rv1131				158
pair	2	4	Rv1131	Rv2445c			231
triplet	2	4	Rv1131	Rv2445c	Rv0247c		282
quadruplet	2	4	Rv1131	Rv2445c	Rv0247c	Rv3436c	328
singleton	3	1	Rv0211				360
pair	3	1	Rv0211	Rv1653			419
triplet	3	1	Rv0211	Rv1653	Rv1712		454
quadruplet	3	1	Rv0211	Rv1653	Rv1712	Rv0649	471
singleton	3	2	Rv3565				352
pair	3	2	Rv3565	Rv2445c			435
triplet	3	2	Rv3565	Rv2445c	Rv3815c		464
quadruplet	3	2	Rv3565	Rv2445c	Rv3815c	Rv0084	476
singleton	3	3	Rv0337c				352
pair	3	3	Rv0337c	Rv2445c			435
triplet	3	3	Rv0337c	Rv2445c	Rv3815c		464
quadruplet	3	3	Rv0337c	Rv2445c	Rv3815c	Rv0084	476
singleton	3	4	Rv1653				334
pair	3	4	Rv1653	Rv2445c			434

triplet	3	4	Rv1653	Rv2445c	Rv0951		466
quadruplet	3	4	Rv1653	Rv2445c	Rv0951	Rv0084	478
singleton	4	1	Rv2445c				473
pair	4	1	Rv2445c	Rv1653			514
triplet	4	1	Rv2445c	Rv1653	Rv0084		526
quadruplet	4	1	Rv2445c	Rv1653	Rv0084	Rv0558	533
singleton	4	2	Rv0211				470
pair	4	2	Rv0211	Rv2445c			497
triplet	4	2	Rv0211	Rv2445c	Rv1653		516
quadruplet	4	2	Rv0211	Rv2445c	Rv1653	Rv0084	528
singleton	4	3	Rv3565				460
pair	4	3	Rv3565	Rv2445c			509
triplet	4	3	Rv3565	Rv2445c	Rv0084		521
quadruplet	4	3	Rv3565	Rv2445c	Rv0084	Rv0470c	529
singleton	4	4	Rv0337c				460
pair	4	4	Rv0337c	Rv2445c			509
triplet	4	4	Rv0337c	Rv2445c	Rv0084		521
quadruplet	4	4	Rv0337c	Rv2445c	Rv0084	Rv0470c	529